

CLAIM AMENDMENTS

1. - 4. (Canceled)

5. (Original) A device adapted for use with a vacuum source and an inflation source to occlude a body lumen having an inner wall, the device comprising:

an inflatable blocking element having an inner cavity an outer periphery with one or more grooves, recesses or depressions;

a first tube or lumen interconnecting the inflation source to the inner cavity of the blocking element; and

a second tube or lumen interconnecting the vacuum source to the grooves, recesses or depressions, such that pressurization of the cavity and suction to the grooves, recesses or depressions causes a water-tight seal to be established between the periphery of the device and the inner wall of the lumen.

6. (Original) The device of claim 5, wherein the blocking element is shaped as a disc or membrane.

7. (Original) The device of claim 5, wherein a liquid or a gas is used to inflate the element.

8. - 10. (Canceled)

11. (Currently Amended) The system of claim [[9]] 5, further including a monitor for ensuring that the level of suction is within a desirable range.

12. (Canceled)

13. (Currently Amended) The system of claim [[12]] 5, further including a monitor for ensuring that the level of pressurization is within a desirable range.

14. - 22. (Canceled)

23. (New) A method of occluding a cardiovascular vessel or other body lumen having an inner wall, comprising the steps of:

providing the device of claim 5;

inserting the device into a body lumen to be occluded;

inflating the inner cavity of the device so that the outer periphery bears against the inner wall of the lumen; and

providing suction to the grooves, recesses or depressions to form a water-tight seal between the periphery of the device and the inner wall of the lumen, thereby occluding the lumen.

24. (New) The method of claim 23, further including the step of monitoring the inflation to ensure that it is within a desirable range.

25. (New) The method of claim 23, further including the step of monitoring the suction to ensure that it is within a desirable range.

26. (New) The method of claim 23, further including the step of introducing the device into the body lumen using a catheter.